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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2023-55 |
| **DATE**  February 22, 2023 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

**FROM:** JOHN V. LADD /s/

Administrator, Office of Apprenticeship

**SUBJECT:** New Apprenticeable Occupation: Hardware Engineer

1. **Purpose.** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors, and other Registered Apprenticeship partners of the following new apprenticeable occupation: Hardware Engineer
2. **Action Requested.** OA staff should familiarize themselves with this bulletin and the attached Work Process Schedule and Related Instruction Outline, as a source for developing apprenticeship standards and/or providing technical assistance.

Hardware Engineer will be added to the List of Occupations Recognized as Apprenticeable by OA located on www.apprenticeship.gov. A suggested Work Process Schedule and Related Instruction Outline are attached.

1. **Summary and Background.**
   1. Summary – The occupation Hardware Engineer was submitted by Ms. Jill Hanson, Compliance Specialist, on behalf of Apprenti, were processed by Kirk Jefferson and approved by the OA Administrator on February 13, 2023.
   2. Background –

***New/Revised Occupation Background -*** Under 29 CFR section 29.4, an occupation for a RAP must meet the following criteria to be determined apprenticeable:

1. Involve skills that are customarily learned in a practical way through a structured, systematic program of on-the job supervised learning:
2. Be clearly identified and commonly recognized throughout an industry;
3. Involve the progressive attainment of manual, mechanical, or technical skills and knowledge which, in accordance with the industry standard for the occupation, would require the completion of at least 2,000 hours of on-the-job learning to attain; and
4. Require related instruction to supplement the on-the job learning.
5. **New Apprenticeable Occupation.** The occupation Hardware Engineer was submitted for an apprenticeability determination.

Hardware Engineer

O\*NET-SOC CODE: 17-2061.00

RAPIDS Code: 3050CB

Type of Training: Competency-based

Average Term: 1.5 years

Hardware Engineer perform the following duties:

• Able to apply knowledge of systems interactions of consumer electronics building blocks to engineering tasks; and

• Ability to apply fabrication techniques to build prototypes.

1. **Inquiries.** If you have any questions, please, contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.
2. **Attachments.**

